Equilibria Project Agreement and Statement of Work

**THIS PROJECT AGREEMENT AND STATEMENT OF WORK (this “Agreement”) is entered into by and between the undersigned Buyer and Service Provider as of the Effective Date below.  The Buyer and Service Provider are sometimes referred to collectively herein as the “Parties” and individually as a “Party.”  This Agreement is made in pursuance of the Project described herein and shall be considered binding to both parties.**

**Under the terms and provisions of this agreement, the Service Providers agree to develop and deliver the features and operational functionality for the product described in the document below. The Buyer agrees to provide specific requests and operational parameters which will constitute the framework of the developmental process. The Service Providers will interpret those requirements and transfer them to the software platform for development. The Service Providers will meet periodically with the Buyer to provide updates on the project Milestones and give the opportunity for feedback from the Buyer prior to submitting a finished product.**

1. **BACKGROUND AND INITIAL OBLIGATIONS.**

**1.1**  **The “Buyer” is:**

|  |  |
| --- | --- |
| Legal Name: | David Creighton |
| Type of Legal Organization or Proprietorship: | Ionia |
| Jurisdiction of Organization: |  |
| Address of Principal Place of Business: |  |

* 1. **The “Service Provider” is:**

|  |  |
| --- | --- |
| Legal Name: | Peter Trinh and Deyana Freese |
| Type of Legal Organization or Proprietorship: | University of Alaska, Anchorage |
| Jurisdiction of Organization: |  |
| Address of Principal Place of Business: |  |

**1.3** The “**Project**” is:

|  |  |
| --- | --- |
| Elance Project Name: | Equilibria Web Portal |

**1.4** **Milestone Deliverables**. The Parties will submit the following “**Milestone Deliverables**,” “**Delivery Dates**,” and “**Amounts**” in the Web form at the “**Business Terms**” page for the Project on the Site:

|  |  |  |
| --- | --- | --- |
| **Milestone Deliverable** | **Delivery Date** | **Amount** |
| 1. Creating Collections | 5/02/18 | 0 |
| 2. People Lookup | 5/02/18 | 0 |
| 3. Search Engine | 5/02/18 | 0 |
| 4.Admin page (optional) | 5/02/18 | 0 |
| Final Delivery Date & Amount | 5/02/18 | US$0 |

**1.5** **Statement of Work.** If Buyer and Service Provider have agreed to a written statement of work, written project plan, or other written communication to specify in more detail the Project scope, required features or functionality, deliverables, milestones, development methods, resources, communications, training, acceptance, change control, payment, or other terms, such writing (“**SOW**”) is incorporated in and made a part of this Agreement. The SOW may be appended to this Agreement as an Attachment.

**1.6**  **Private Message Board; Upload**. Service Provider will upload a true and correct copy of both this Agreement and any SOW as fully executed, to the “**Private Message Board**” for the Project at the Site. Buyer will consult the Private Message Board to confirm that the Agreement and any SOW posted on the Private Message Board are true and correct as fully executed. By entering into a course of dealing with each other in connection with the Project, Service Provider and Buyer are contractually agreeing to the terms and conditions of this Agreement, the Business Terms, and any SOW as posted on the Private Message Board, and to the further terms and conditions of the Terms of Service.

**1.7**  **Escrow**. The Parties **[\_\_]will / [\_\_]will not** require “**Escrow**” in the Business Terms for the Project. If Escrow is required, the Escrow Terms and Conditions contained in the Terms of Service will govern this Agreement.

**2. ENGAGEMENT AND PERFORMANCE OF SERVICES.**

**2.1**  **Project Work Product**. Buyer hereby engages Service Provider to deliver the Work Product to Buyer, and Buyer will pay Service Provider for the Project Work Product, in accordance with the terms and conditions of this Agreement and the Terms of Service. As used in this Agreement, the “**Work Product**” means any and all work product developed by Service Provider as required to complete the Project and delivered to the Buyer in the performance of the Project, as specified in the Business Terms, the SOW, and this Agreement.

**2.2** **Performance.** Service Provider will perform the services necessary to complete the Project in accordance with the procedures described on the Site, in a timely and professional manner, consistent with industry standards, at a location, place and time that Service Provider deems appropriate, and all in accordance with the Business Terms, the SOW, and this Agreement. The manner and means that Service Provider chooses to complete the Project are in Service Provider’s sole discretion and control. In completing the Project, Service Provider agrees to provide its own equipment, tools, and other materials at its own expense.

**2.3** **Duration of Services**. The duration of performance of services under this Agreement commences on the Effective Date and terminates on the Final Delivery Date set forth in **Section 1.4** above, unless the Parties otherwise agree in a writing signed by both parties and uploaded to the Private Message Board

**2.4 Change Control.** “Provider” will provide “Buyer” project management with comprehensive status reporting on a regular basis. These reports will indicate the work activities performed, progress against project milestones, as well as any expenses incurred in the furtherance of this work to date.

Material deviations from the baseline scope and budget documented herein will be mutually reviewed and agreed by Provider and Buyer. The following provides the process to be followed for any such material change to the SOW:

1. A Change Request (“CR”) will be the vehicle for requesting a change to the SOW. The CR will describe the change, the rationale for the change, the impact on the implementation timeline, and the impact on the Compensation. Both Provider and Buyer may initiate a CR.
2. The designated Project Manager of the requesting party will review the CR and determine whether to submit the CR to the other party.
3. Both Project Managers will review the proposed CR and either approve for further investigation or reject. Provider may specify additional charges for such investigation. If the investigation is authorized, the Project Managers will sign the estimation portion of the CR, which constitutes authorization for the investigative changes. The investigation will determine the effect that the implementation of the CR will have on compensation, schedule and other terms and conditions of the Agreement.
4. A written CR must be signed by both Buyer and Provider to authorize implementation of the CR.

**3.** **COMPENSATION**. Buyer will pay Service Provider the fee specified for the Project in accordance with the Business Terms, any SOW, and the Terms of Service. Payment will be made by Buyer to Service Provider through the Site in accordance with the Elance Payment Service and, if applicable, the Escrow Terms and Conditions, promptly upon each acceptance of the Project Work Product. Service Provider will be responsible for all expenses incurred in performing services under this Agreement, except and only to the extent expressly provided in this Agreement, the Business Terms, or SOW.

**4.** **INDEPENDENT CONTRACTOR RELATIONSHIP**. Service Provider’s relationship with Buyer will be that of an independent contractor, and nothing in this Agreement should be construed to create a partnership, joint venture, or employer-employee relationship. Service Provider (a) is not the agent of Buyer; (b) is not authorized to make any representation, contract, or commitment on behalf of Buyer; (c) will not be entitled to any of the benefits that Buyer makes available to its employees, such as group insurance, profit-sharing or retirement benefits (and waives the right to receive any such benefits); and (d) will be solely responsible for all tax returns and payments required to be filed with or made to any federal, state, or local tax authority with respect to Service Provider’s performance of services and receipt of fees under this Agreement. If applicable, Buyer will report amounts paid to Service Provider by filing Form 1099-MISC with the Internal Revenue Service, as required by law. Service Provider agrees to fill out form W-9 or W8-BEN, as applicable, and as required by Buyer. Service Provider agrees to accept exclusive liability for complying with all applicable state and federal laws, including laws governing self-employed individuals, if applicable, such as laws related to payment of taxes, social security, disability, and other contributions based on fees paid to Service Provider under this Agreement. Buyer will not withhold or make payments for social security, unemployment insurance or disability insurance contributions, or obtain workers’ compensation insurance on Service Provider’s behalf. Service Provider hereby agrees to indemnify and defend Buyer against any and all such taxes or contributions, including penalties and interest. Service Provider agrees to provide proof of payment of appropriate taxes on any fees paid to Service Provider under this Agreement upon reasonable request of Buyer.

**5.** **INTELLECTUAL PROPERTY RIGHTS.**

**5.1**  **Inventions and Intellectual Property Rights**. As used in this Agreement, the term “**Invention**” means any ideas, concepts, information, materials, processes, data, programs, know-how, improvements, discoveries, developments, designs, artwork, formulae, other copyrightable works, and techniques and all Intellectual Property Rights therein. The term “**Intellectual Property Rights**” means all trade secrets, copyrights, trademarks, mask work rights, patents and other intellectual property rights recognized by the laws of any country.

**5.2** **Background Technology.** As used in this Agreement, the term “**Background Technology**” means all Inventions developed by Service Provider other than in the course of providing services to Buyer hereunder and all Inventions acquired or licensed by Service Provider that Service Provider uses in performing services under this Agreement or incorporates into Work Product. Service Provider will disclose any Background Technology which Service Provider proposes to use or incorporate. If Service Provider discloses no Background Technology, Service Provider warrants that it will not use Background Technology or incorporate it into Work Product provided pursuant thereto. Notwithstanding the foregoing, unless otherwise agreed in the Project, Service Provider agrees that it will not incorporate into Work Product or otherwise deliver to Buyer any software code licensed under the GNU GPL or LGPL or any other license that by its terms requires, or conditions the use or distribution of such code on, the disclosure, licensing, or distribution of the Work Product or any source code owned or licensed by the Buyer.

**5.3**  **License to Background Technology.** Service Provider hereby automatically upon receipt of payment from Buyer, grants to Buyer a non-exclusive, perpetual, fully-paid and royalty-free, irrevocable and world-wide right, with rights to sublicense through multiple levels of sublicensees, to reproduce, make derivative works of, distribute, publicly perform, and publicly display in any form or medium, whether now known or later developed, make, have made, use, sell, import, offer for sale, and exercise any and all present or future rights in the Background Technology incorporated or used in Work Product.

**5.4** **Ownership and Assignment of Work Produc**t. Service Provider agrees that upon receipt of payment from Buyer, any and all Work Product will be the sole and exclusive property of Buyer. If Service Provider has any rights to the Work Product that are not owned by Buyer upon creation or embodiment, Service Provider hereby automatically upon receipt of payment from Buyer irrevocably assigns to such Buyer all right, title and interest worldwide in and to such Work Product. Except as set forth below, Service Provider retains no rights to use the Work Product and agrees not to challenge the validity of Buyer’s ownership in the Work Product.

**5.5 License to or Waiver of Other Rights**. If Service Provider has any right to the Work Product that cannot be assigned by Service Provider, Service Provider hereby automatically upon receipt of payment from Buyer unconditionally and irrevocably grants to Buyer during the term of such rights, an exclusive, even as to Service Provider, irrevocable, perpetual, worldwide, fully paid and royalty-free license, with rights to sublicense through multiple levels of sublicensees, to reproduce, make derivative works of, distribute, publicly perform and publicly display in any form or medium, whether now known or later developed, make, use, sell, import, offer for sale and exercise any and all such rights. If Service Provider has any rights to the Work Product that cannot be assigned or licensed, Service Provider hereby automatically upon receipt of payment from Buyer unconditionally and irrevocably waives the enforcement of such rights, and all claims and causes of action of any kind against Buyer or related to Buyer’s customers, with respect to such rights, and agrees, at Buyer’s request and expense, to consent to and join in any action to enforce such rights.

**5.6 Assistance.** Service Provider agrees to assist Buyer in every way, both during and after the term of this Agreement, to obtain and enforce United States and foreign Intellectual Property Rights relating to Work Product in all countries.

**6. Competitive or Conflicting Projects.** Service Provider agrees, during the term of this Agreement, not to enter into a contract or accept an obligation that is inconsistent or incompatible with Service Provider’s obligations under this Agreement. Service Provider warrants that there is no such contract or obligation in effect as of the Effective Date. Service Provider further agrees not to disclose to, deliver to, or induce Buyer to use any confidential information that belongs to anyone other than Buyer or Service Provider.

**7. Confidential Information.** Service Provider agrees that during the term of this Agreement and thereafter, except as expressly authorized in writing by Buyer, it (a) will not use or permit the use of Confidential Information (defined below) in any manner or for any purpose not expressly set forth in this Agreement; (b) will not disclose, lecture upon, publish, or permit others to disclose, lecture upon, or publish any such Confidential Information to any third party without first obtaining Buyer’s express written consent on a case-by-case basis; (c) will limit access to Confidential Information to Service Provider personnel who need to know such information in connection with their work for Buyer; and (d) will not remove any tangible embodiment of any Confidential Information from Buyer’s premises without Buyer’s prior written consent. “**Confidential Information**” includes, but is not limited to, all information related to Buyer’s business and its actual or anticipated research and development, including without limitation (i) trade secrets, inventions, ideas, processes, computer source and object code, formulae, data, programs, other works of authorship, know-how, improvements, discoveries, developments, designs, and techniques; (ii) information regarding products or plans for research and development, marketing and business plans, budgets, financial statements, contracts, prices, suppliers, and customers; (iii) information regarding the skills and compensation of Buyer’s employees, contractors, and any other service providers; (iv) the existence of any business discussions, negotiations, or agreements between Buyer and any third party; and (v) all such information related to any third party that is disclosed to Buyer or to Service Provider during the course of Buyer’s business (“**Third Party Information**”). Notwithstanding the foregoing, it is understood that Service Provider is free to use information that is generally known in the trade or industry, information that is not gained as a result of a breach of this Agreement, and Service Provider’s own skill, knowledge, know-how, and experience.

**8. SERVICE PROVIDER REPRESENTATIONS AND WARRANTIES.** Service Provider hereby represents and warrants that (a) the Work Product will be an original work of Service Provider and any third parties will have executed assignment of rights prior to being allowed to participate in the development of the Work Product; (b) the Work Product will fully conform to the requirements and terms set forth on the Site and in the Project; (c) neither the Work Product nor any element thereof will infringe or misappropriate the Intellectual Property Rights of any third party; (d) neither the Work Product nor any element thereof will be subject to any restrictions or to any mortgages, liens, pledges, security interests, or encumbrances; (e) Service Provider will not grant, directly or indirectly, any rights or interest whatsoever in the Work Product to third parties; (f) Service Provider has full right and power to enter into and perform this Agreement without the consent of any third party; (g) Service Provider has an unqualified right to grant the license to all Background Technology as set forth in the section titled “License to Background Technology”; and (h) Service Provider will comply with all laws and regulations applicable to Service Provider’s obligations under this Agreement.

**9. INDEMNIFICATION.** Service Provider will defend, indemnify, and hold harmless Buyer against any damage, cost, loss or expense arising from a claim, suit or proceeding brought against Buyer alleging that any Work Product that Service Provider delivers pursuant to this Agreement or the Project: (i) infringes upon any intellectual property rights or (ii) misappropriates any trade secrets, of any third party.

**10. INSURANCE.** Service Provider, at its sole cost and expense, will maintain appropriate insurance in accordance with industry standards.

**11. TERMINATION.**

**11.1 Termination with Cause.** Either party has the right to terminate this Agreement immediately in the event that the other party has materially breached the Agreement and fails to cure such breach within fifteen (15) days of receipt of notice by the non-breaching party, setting forth in reasonable detail the nature of the breach. Buyer may also terminate this Agreement immediately in its sole discretion in the event of Service Provider’s material breach of the section titled “Intellectual Property Rights.”

**11.2 Return of Property.** Upon termination of the Agreement or upon Buyer’s request at any other time, Service Provider will deliver to Buyer all of Buyer’s property together with all copies thereof, and any other material containing or disclosing any Work Product, Third Party Information or Confidential Information.

**11.3 Survival.** The following provisions will survive termination of this Agreement: Sections titled “Intellectual Property Rights,” “Confidential Information,” “Service Provider Representations and Warranties,” “Indemnification,” “Return of Property,” “Survival,” and “General Provisions.”

**12. MULTI-EMPLOYEE SERVICE PROVIDER.** Before any Service Provider employee or agent performs services in connection with this Agreement or has access to Confidential Information, the employee or agent and Service Provider must have entered into a binding written agreement expressly for the benefit of Buyer that contains provisions substantially equivalent to the sections of this Agreement titled “Engagement and Performance of Services” and “Intellectual Property Rights.” Service Provider agrees (a) that its employees and agents will not be entitled to or eligible for any benefits that Buyer may make available to its employees; (b) to limit access to the Confidential Information to employees or agents of Service Provider who have a reasonable need to have such access in order to perform the services pursuant to this Agreement; and (c) to be solely responsible for all expenses incurred by any of its employees or agents in performing the services or otherwise performing its obligations under this Agreement, except as set forth in the Engagement.

**13. GENERAL PROVISIONS.**

**13.1 Governing Law and Venue.** This Agreement and any action related thereto will be governed, controlled, interpreted, and defined by and under the laws of the State of California, without giving effect to any conflicts of laws principles that require the application of the law of a different jurisdiction. Service Provider hereby expressly consents to the personal jurisdiction and venue in the state and federal courts for the county in which Buyer’s or Elance’s principal place of business is located for any lawsuit filed there against Service Provider by Buyer or Elance arising from or related to this Agreement.

**13.2 Severability.** If any provision of this Agreement is, for any reason, held to be invalid or unenforceable, the other provisions of this Agreement will be unimpaired and the invalid or unenforceable provision will be deemed modified so that it is valid and enforceable to the maximum extent permitted by law.

**13.3 No Assignment**. This Agreement, and the party’s rights and obligations herein, may not be assigned, subcontracted, delegated, or otherwise transferred by either party without the other’s prior written consent, and any attempted assignment, subcontract, delegation, or transfer in violation of the foregoing will be null and void. The terms of this Agreement will be binding upon assignees.

**13.4 Notices.** Each party must deliver all notices or other communications required or permitted under this Agreement to the other party by posting it on the Private Message Board for the Project.

**13.5 Injunctive Relief.** Service Provider acknowledges that, because its services are personal and unique and because Service Provider will have access to Confidential Information of Buyer, any breach of this Agreement by Service Provider would cause irreparable injury to Buyer for which monetary damages would not be an adequate remedy and, therefore, will entitle Buyer to injunctive relief (including specific performance). The rights and remedies provided to each party in this Agreement are cumulative and in addition to any other rights and remedies available to such party at law or in equity.

**13.6 Waiver.** Any waiver or failure to enforce any provision of this Agreement on one occasion will not be deemed a waiver of any other provision or of such provision on any other occasion.

**13.7 Export.** Service Provider agrees not to export, directly or indirectly, any U.S. technical data acquired from Buyer or any products utilizing such data, to countries outside the United States, because such export could be in violation of the United States export laws or regulations.

**13.8 Execution and Delivery; Binding Effect**. The parties will evidence execution and delivery of this Agreement with the intention of becoming legally bound hereby, by completion of the following process on the Site:

**(a) Uploading Party.** One party (the “Uploading Party”) will cause the definitive version of this Agreement (“Approved Version”) to be approved by its duly authorized representative, and will upload the Approved Version to the Private Message Board for the Project with a message containing substantially the following text:

**“Uploading Party hereby uploads the file named “[Insert Filename.ext]”, with the intention of being legally bound.”**

The Uploading Party will thereby be deemed to represent and warrant that the Approved Version has been approved by all necessary corporate action, and that the Uploading Party’s performance of its obligations under the Approved Version will not violate the terms of any law or contract binding on such Party. The Approved Version as so uploaded will be deemed to be executed and delivered with the intention of creating a legally binding contract.

**(b) Responding Party.** The other party (the “Responding Party”) will then inspect the Approved Version on the Private Message Board, and will cause the Approved Version to be approved by its duly authorized representative. Upon approval, the Responding Party will post a message on the Private Message Board containing substantially the following text:

**“Responding Party hereby accepts the file named “*[Filename.ext]*” posted on *[Insert Date and Time of upload]*, with the intention of being legally bound.”**

***[Note: The Responding Party should NOT re-upload the Approved Version; instead the Responding Party should type the Filename.ext of the Approved Version, and Date and Time the Uploading Party uploaded it.]***

The Responding Party will thereby be deemed to represent and warrant that the Approved Version has been approved by all necessary corporate action, and that such Party’s performance of its obligations under the Approved Version will not violate the terms of any law or contract binding on such Party. The Approved Version as so uploaded will be deemed to be executed and delivered with the intention of creating a legally binding contract.

**(c) Counteroffers.** If either Party uploads a modified version of this Agreement to the Private Message Board prior to the Responding Party’s acceptance of a previously uploaded version pursuant to Section 13.8 (b) above, the Uploading Party’s execution and delivery of the previously uploaded version will be deemed revoked, and the Parties must upload and accept the new version in accordance with Sections 13.8 (a) and (b) above in order to form a binding contract.

**13.9 Entire Agreement.** This Agreement is the final, complete and exclusive agreement of the parties with respect to the subject matters hereof and supersedes and merges all prior discussions between the parties with respect to such subject matters. No modification of or amendment to this Agreement, or any waiver of any rights under this Agreement, will be effective unless in writing and signed by Service Provider and Buyer. The terms of this Agreement will govern all Projects and services undertaken by Service Provider for Buyer. In the event of any conflict between this Agreement and the express written terms of an agreement applicable to an engagement, the express written terms of such agreement will govern, but only to the extent and with respect to the services set forth therein.

**IN WITNESS WHEREOF**, the parties have caused this Agreement to be approved by their duly authorized representatives and executed and delivered in accordance with the process of uploading and approval set forth in Section 13.8 above, with the intention of becoming legally bound hereby.

**BUYER: SERVICE PROVIDER:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*David Creighton Peter Trinh*

If service provider is an individual, Service Provider must provide the following information for copyright registration purposes only:

Date of Birth: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Nationality or Domicile: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SERVICE PROVIDER:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Deyana Freese*

If service provider is an individual, Service Provider must provide the following information for copyright registration purposes only:

Date of Birth: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Nationality or Domicile: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The Equilibria project is in detail described in the requirements section.**

Software Requirements Specification

for

Equilibria Web Portal

Version 2.0 approved

Prepared by

Peter Trinh and Deyana Freese

University of Alaska Anchorage

February 4, 2018

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Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| Peter Trinh | 2/21/18 | Errors removed and glossary updated | 2.0 |
| Deyana Freese | 2/24/18 | Clarifying certain aspects of the documentation | 2.0 |

# Introduction

This document describes the functional and non-functional requirements for version 2.0 of the Equilibria web portal. The document is intended to be used by the members of the development team who will perform and verify the proper functioning of the system. The document describes both the web-based interface and the main system features. The focus of the document is specifically on the Movie section of the web portal and all the explanations below will refer to this section only. The contents within will define what additional features will be added to the existing project and the extent to which they will be completed.

## Purpose

The product, Equilibria web portal, is a food and media website with multiple components. This SRS will be focused on adding additional functionality to the movie section of the project. The functionalities include a people lookup section, the ability to create collections of films, a search engine for movies, and an admin interface.

## Intended Audience and Reading Suggestions

This is the second version of the SRS document and it aims to provide an overview of the functionality of the product. It describes the informal requirements and is used to establish a context for the technical requirements specification in the following phase of the project. It is recommended that each stakeholder reads the entire document since it is not detail-oriented yet. Requirements Specification section of this document is written primarily for the developers and describes in technical terms, the details of the functionality of the product. In a future version of the document, it is expected a section(s) for each reader to be specified.

This document is intended for the product owner and developers that are working on this project, users with administrator rights, and future developers who will be working on expanding the features of the same product.

## Product Scope

The Equilibria Web Portal will provide users a community with food and media as the central focus. The movie section of the project scrapes data from The Movie Database(TMDB) when users search for movie titles and adds it to the portal’s database. Users that contribute content to the web portal won’t be charged a two-dollar surcharge at the end of the billing cycle. The money will be donated to a clause, which the user chooses initially when they create their account. The idea is to encourage users to contribute content to the web portal.

## References

Vision and scope document

Source: https://www.gatherforchange.org/

# Overall Description

## Product Perspective

Equilibria is a web based product which allows its users to share their interests and opinions about movies and food. The idea originates from the basic concept of human life – providing food on the table and sharing a conversation over it. With technological development, Equilibria aims to conserve this idea in an electronic version with informative and amusing note. The Equilibria website is a new, completely independent product, incorporating a host of new features and enhanced functionality over its predecessor products. The product being developed is part of a larger system and it is self-functional also. A previous version has been released but with uncompleted functionalities.

We believe that if the prototype can achieve satisfactory functionality and security. Later versions of the product could be integrated into other systems and social media. The prototype will be practically tested by a relatively small number of registered users. The goal will be to develop strategies for a future system, capable of maintaining significant reviews and any future versions will retain such standards.

## Product Functions

The user can access the system via a web browser. Equilibria has a web-based interface. Equilibria does not use or rely on external programs on the part of the user. In this way, complete platform independence is achieved.

The system will have the following functions:

* Users will be able to look up and add a friend
* Users will be able to create collections of movies
* Users will be able to create and participate in group of friends
* Users will be able to look for a movie under specific search
* Users will be able to look for content under specifically selected parameters

## User Classes and Characteristics

Here is a description of main user groups.

**Non-registered user.** Any person having access to the network. A regular user cannot manage the content but will be allowed to view it. The non-registered user will not be assigned with any right to rate the content but will be allowed to browse freely.

**Registered user.** The registered user is anyone who has been granted access (registration and password) from the System Administrator. In the current version, such access will only be given personally until all security issues have been thoroughly analyzed and satisfactorily resolved. Once an acceptable level of security has been reached, future versions will allow free registration by filling in a simple form. The registered user will be able to:

* Rate
* Create custom groups
* Add friends
* Look up and search for movies and categories under specific parameters using two different tools – advanced search bar and “shopping cart with tags” search.
* Share – drag and drop specific movies
* Donate

Note: Not all these functionalities will be added / developed to this version. The donation part is in its initial phase and has not been discussed in details yet. That is why this functionality will not be developed in this version. The share feature is under consideration and there will be an update about it in the next version of this document. The rest of the features are under the scope of this project.

**System administrator.** The role will be implemented but for the current version of the product, the system administrator will not be granted more access than any other registered users. The role will be used for future versions of the system in which the system administrator will be allowed to review content, delete content and do business analytics. The client puts a higher priority on the other functionalities and prefers to postpone the development of the admin part.

## Operating Environment

The software is created with C# and HTML under ASP.NET Core MVC platform and can be used on different operating systems. The database works under SQL servers. User Input works best on Windows for SQL servers. There are no hardware configurations required but for normal system operation, the following is recommended at the minimum:

Intel Pentium III (~ AMD Athlon) @ 700 MHz, 512MB RAM, 64MB video memory, internet connection.

## Design and Implementation Constraints

The system is compatible with the most popular browsers - Internet Explorer, Mozilla Firefox, Google Chrome, and Safari. The system has not been tested yet on other browsers. It is expected that the design may have some constraints under different browsers, but this will not be taken under consideration at this moment since the developing of the functionalities of the system has higher priority than the design.

## User Documentation

The user will find the exact instructions for using the system in the user guide that is planned to be created once the system is completed. There may be an information section on the home page. If a problem occurs, user will be able to write an email to technical support.

## Assumptions and Dependencies

Satisfying the above requirements is sufficient for the proper functioning of Equilibria. The developed system is completely independent of other external programs and so far no problems have been discovered with interaction with other software.

# External Interface Requirements

## User Interfaces

Prototype version 2.0 will provide a home page with links to additional pages. There will be an opportunity to navigate all the tasks.

The user interface in the movie section has a navbar that contains the movie search, people lookup, and a menu to other media sections in the top right-corner.

## Hardware Interfaces

System interface supports most standard hardware components to meet system requirements.

The executable code and the database serving the system are located on one server and communicate directly. The system should have an encrypted connection interface with other systems - Epay, PayPal and an interface for using external databases if the donation aspect is developed. This is not related to the scope of the current version but it is taken under consideration. An independent server is planned, which will contain backup copies of the system. The system will be exported to a separate server if the number of users using it grows.

## Software Interfaces

It is an integrated high-performance information software system, integrating the latest technological advances in software development. It utilizes all modern methods of modeling, analyzing and organizing the functions, capabilities and operations of an open information system. At the same time, the system implements all the modern methods of receiving, transmitting and exchanging information, ensuring communication between all application objects.

The system has an open architecture [client-server], which utilizes the exclusive capabilities of the most authoritative relational databases [SQL], operating on the most popular platforms [Windows, Linux, MacOS]. It manages reliably unlimited data volume, supports simultaneous access to many users, and has a powerful security system for absolute control of access to archives and work features.

## Communications Interfaces

The system is socially focused and there should be a way for communicating. Since a user is adding a friend to their group, we consider to develop a way for notifying the other user (probably by an email) when such a request has been sent.

# System Features

## People Lookup

4.1.1 Description and Priority

Registered users will be able to see other identified users based on predefined criteria (friend, critic, celebrity, popular, and Ionia). In addition, there will be the ability to create new user groups through the new custom button. This high priority feature allows users to search through the database using filters.

4.1.2 Stimulus/Response Sequences

Registered users clicking the social media button of the website will be presented with buttons that correspond to the described feature. Clicking a button will bring up the designated group of people on the page or if it is the custom button, allow the user to create a new group.

4.1.3 Functional Requirements

REQ-1: User profiles

## User Created Collections

4.2.1 Description and Priority

Registered users will be able to create collections of movies. This is a high priority.

4.2.2 Stimulus/Response Sequences

Registered users clicking the social media button of the website will be presented with buttons that correspond to the described feature. Clicking a button will bring up the designated group of people on the page or if it is the custom button, allow the user to create a new group.

4.2.3 Functional Requirements

REQ-1: Movies in Database

## Search Engine

4.3.1 Description and Priority

The search engine is a high priority feature that will allow users to search for a movie by typing in its name or selecting movie tags that will filter movies that meet the criteria of the tags and display them from the local database.

4.3.2 Stimulus/Response Sequences

Clicking the search icon will open a search bar and display a menu that contains fields/buttons. By clicking on them, the selection will populate under the form of tags that can be added to a shopping cart. The selected tags will filter for movies that meet those parameters. Registered users can also directly type in the name of the movie they want to search.

4.3.3 Functional Requirements

REQ-1: The system should be able to verify the result of the search

REQ-2: The system should be able to display the result of the search

## Admin Interface

4.3.1 Description and Priority

The admin interface is a low priority feature that will contain functions exclusive to an admin user. Functions will be left to future development of the project.

4.3.2 Stimulus/Response Sequences

There are no functions in the admin interface yet. An admin user will be redirected to this interface when they log in.

4.3.3 Functional Requirements

REQ-1: None

# Other Nonfunctional Requirements

## Performance Requirements

The system has no critical performance requirements. However, in order to keep users' work pleasant and easy, the reaction time should not be too long. Otherwise, the users’ pleasure from interacting with the system will be lost, which is important because it is an entertainment website/business. Since the application is entirely web-based, special attention is needed to be paid to the speed of the Internet connection, so that it can also be accessed by slow-link users. So the volume of data transferred should not be too large. Animations, animated menus, and scripts running on the client’s system must be tailored to the capabilities of mass-media computer so that an average user can seamlessly use the service without fully engaging the resources on his computer.

## Safety Requirements

Information uploaded by users will not be used for purposes other than those on the site.

## Security Requirements

All users will have access to the Equilibria application restricted by a logon containing ID and password. There will be activity logging by updating a log-file containing the fields ( ID, timestamp, success/failure ).

User information will be inaccessible to foreign parties and their password will be protected by hash.

• To gain full access to functionality, the user must be logged in.

• Credit card numbers and other similar information will not be stored in the system.

• All personal data will be stored in encrypted form.

• Users of all levels will be able to limit the visibility of some of their personal data (real name, email, phone) to prevent unwanted use.

## Software Quality Attributes

• Easy and fast customization of user experience - no special user training needed to handle the system. The interface is intuitive, simple and easy to use.

• Secure data protection – No credit card information will be stored and all personal information will be encrypted.

• High load stability

• Open to expansion - the system is modular and provides the ability to add new functionalities.

## Business Rules

The organization must have programmers and designers to develop and adapt the software.

Technical support will be provided by technical staff and administrators who will monitor the proper functioning of the system, malfunctioning, reporting to developers or, if possible, timely removal.

A non-technical team will not be required to monitor and edit the content in the system uploaded by users. The credibility of the content will be verified by other websites before transferring the data to the current system.

A dedicated team will be responsible for the marketing and overall view of the system and the registration of the special type of users.

# Other Requirements

The project will start with version 1.0 which will cover only the most basic functionality. In the next versions, functionality will be enhanced and expanded. The database must be robust and allow for a huge number of records for each user code test.

Appendix A: Glossary

|  |  |
| --- | --- |
| **Term** | **Definition** |
| Database | Collection of all the information monitored by this system. |
| Field | A cell within a form or a button, part of a drop down menu. |
| People Lookup | An icon that provides one of the main functionalities on the website with a drop down menu |
| Shopping card | Collection of tags generated by specific searching criteria from the user |
| Software Requirements Specification or SRS | A document that completely describes all of the functions of a proposed system and the constraints under which it must operate. For example, this document. |
| Stakeholder | Any person with an interest in the project who is not a developer. |
| The Movie Database | The Movie Data Base is a community built movie and TV online database. |

Appendix B: Analysis Models

All diagrams and schema will be added in a later version once we have partially implemented functionalities.

Appendix C: To Be Determined List

<Collect a numbered list of the TBD (to be determined) references that remain in the SRS so they can be tracked to closure.>